

Title (en)

Device for clamping workpieces on machinetables, devices or pallets

Title (de)

Spannelement zum Spannen von Werkstücken auf Maschinentischen, Vorrichtungen oder Paletten

Title (fr)

Dispositif de serrage de pièces sur des tables de machine-outil, sur des dispositifs ou sur des palettes

Publication

EP 1473110 B1 20090304 (DE)

Application

EP 04101117 A 20040318

Priority

DE 10319815 A 20030430

Abstract (en)

[origin: EP1473110A1] The clamping element has a housing (10) and clamping piston (11) movable in a cylinder bore (12) thereof. The clamping piston has a work piston (16) and a pressure piston (17) which acts in the clamping position of the clamping piston on the workpiece whereby the pressure piston is guided movable relative to the work piston and is pretensioned opposite the work piston in the clamping direction of the pressure piston. The pressure piston can be pretensioned by a compression spring such as a plate spring relative to the work piston. The cylinder bore is a blind hole closed by a sealing and guide nut (13) in which the clamping piston is guided. The thread diameter of the nut is greater than the diameter of the bore.

IPC 8 full level

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CPC (source: EP)

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Cited by

CN102601628A; EP1683974A1; US9821423B2; EP2837466A1; EP2837467A1; JP2015036190A; US11149601B2

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